

# Data Warehouse Project Monthly Report

August 2003

## Entire DW Environment (DW db and DMs) and General Project Management

### *Major Accomplishments*

- Completed final report of the PDW to DW Transition, including a summary of the technical review of IBM's proposed DW-1 database model and ETL process design.
- Continuing to track the requisition request for backup hardware and software (two additional tape drives for backups and a new server for Tivoli Manager).
- Completed SAS "Programming Essentials" on-site course July 22-24, 2003 for DW Project staff and others.
- Working with ITSC management as they address IE hardware and staffing requirements.
- Working with Jim Cheek and Nat Cobb to develop a draft agency policy for designating the data mart system owners and for internal program management use of those data.
- Re-filled programmer and analyst positions.

### *Next Month's Planned Activities*

- Continue to assist ITSC management as they address IE hardware and staffing requirements.
- Work with Jim Cheek and Nat Cobb to complete and submit for approval a draft agency policy for designating the data mart system owners and for internal program management use of those data.
- Re-fill the DBA position.
- Initiate a new justification and closely track requisition request for two additional tape drives for backups and a new server for Tivoli Manager.
- Coordinate a technical session for directly connecting SAS to a DB2 database for use as a query tool.

## DW Database

### *Major Accomplishments*

- Drafted a letter to be sent by senior IHS management notifying Area Directors and staff, Tribal leaders, Urban program leaders, etc. about the upcoming DW load.
- Negotiated the load plan/schedule with the Area ISCs and Area Statistical Officers.
- Installed additional terabyte of disc space, configuring it and the ETL software tool, Embarcadero 9.1.
- Mapped ~ 3,200 ASUFAC codes to USP IDs, with 308 left for which we do not yet have sufficient information to map.
- Thoroughly reviewed and commented upon much of CHS data workgroup contractor's final deliverables.

### *Next Month's Planned Activities*

- Track the above mentioned letter to Area Directors, etc. through the controlled correspondence process, to its successful issuance.
- Complete configuration of the additional terabyte of disc space and Embarcadero.
- Send the remaining 308 ASUFACs to the Area Stat Officers for their help in order to complete the mapping.
- Complete ETL process documentation.

## **Administrative Data Mart**

### ***Major Accomplishments***

- Provided Office of Program Statistics a list of data elements minimally required in order to generate accurate workload and user population reports.
- Completed NPIRS testing of the expanded PCC export patch 6 testing process.
- Continued designing ETL (DW database to data mart) programming and configuring the server.
- Continuing the design and implementation of the non-SAS portions of this system (e.g., error handling, data received notification).

### ***Next Month's Planned Activities***

- Continue to revise model with the plan to re-submit to first group of OPS/Statistical Officer reviewers.
- Continue to implement the data mart's draft model into the database structure.
- Install and begin to use Embarcadero to work on the ETL (DW database to data mart) programming.
- Continue the design and implementation of the non-SAS portions of this system (e.g., error handling, data received notification).

## **Clinical and Data Quality/Export Tracker Data Marts**

### ***Major Accomplishments***

- Continuing to design various clinical data mart designs (ORYX, Cancer, Diabetes, Health Education) and the ETL (DW database to data mart) programming.
- Completed ORYX testing of the expanded PCC export patch 6 testing process to support expanded clinical data elements.
- Completed acquisition and scheduling process for the 3 week SAS pilot to support the DW data tracking/quality component.
- Completed conceptual design of clinical data mart.
- Began development of a Diabetes data mart.

### ***Next Month's Planned Activities***

- Complete "data requirements" document to support clinical indicators from DW-1.
- Begin "SAS pilot" as described above.
- Begin data tracking/quality phase of the DW project.
- Begin programming and testing of clinical data mart.
- Complete "data requirements" document to support clinical indicators from DW-1
- Complete logical and physical design of clinical data mart.

## **RPMS Export to DW Environment**

### ***Major Accomplishments***

- Testing RPMS DW export and its IE programming.
- Identified problem with the unique registration record ID – will not preclude or delay load.
- Programming the export management portions of the RPMS DW export.

### ***Next Month's Planned Activities***

- Continue individual testing of RPMS DW export and the IE programming for this export and begin integrated testing of these, eventually with the DW database load.
- Complete work on export management portions of the RPMS DW export.

- Complete IE programming for the RPMS export.

## **Non- RPMS Site Exports to DW Environment**

### ***Major Accomplishments***

- Submitted first version of the IHS HL7 Implementation Guide to tribal and urban representatives at designated beta test sites.

### ***Next Month's Planned Activities***

- Continue beta test of IHS HL7 Implementation Guide at designated tribal and urban beta test sites.

## **Other Exports to DW Environment**

### ***Major Accomplishments***

- No work this month.

### ***Next Month's Planned Activities***

- No work anticipated in this area this month.